

Abstract of the Invention

[0030] A conformable veil is formed by impregnating a random mat of glass fibers formed with a polystyrene-based resin. The veil is then introduced between two layers of a sheet molding compound resin paste and compacted to form a compacted sheet. The compacted sheet is then introduced to a mold and molded to form a soft, flexible sheet molding composite part having good resin and fiber distribution. Resin and fiber distribution of the present invention is improved because the polystyrene-based resin is soluble in the sheet molding compound resin paste and allows the plurality of fibers to flow freely within the resin paste during the molding process.